

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled DENSITY DETECTION USING REAL TIME DISCRETE PHOTON COUNTING FOR FAST MOVING TARGETS, the specification of which

☒ is attached hereto.

☐ was filed on \_\_\_\_\_ as

☐ Application Serial No. \_\_\_\_\_

☐ and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	_____ Yes	_____ No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States utility application(s) listed below and/or under Title 35, United States Code, §119 of any United States provisional application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States utility application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>09/398,547</u>	<u>9/17/99</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented, pending, abandoned)
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

George T. Marcou, Registration No. 33,014; Richard Peterson, Registration No. 35,320; Charles W. Calkins, Registration No. 31,814; John M. Harrington, Registration No. 25,592; A. Jose Cortina, Registration No. 29,733; Charles T. Simmons, Registration No. 35,359; Yoncha L. Kundupoglu, Registration No. 41,130; John Ball, Registration No. 44,433; Dawn-Marie Bey, Registration No. 44,442; Tiep Nguyen, Registration No. 44,465; Greg S. Moldafsky, Registration No. 46,514; and Michael J. Dimino, Registration No. 44,657.

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George T. Marcou  
(202) 508-5800

Full name of first inventor: Victor V. Verbinski

First Inventor's Signature

*Victor V. Verbinski*

Date

*7/26/01*

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Citizenship:

USA

Post Office Address:

8871 Cliffridge Avenue, La Jolla, CA 92121

Full name of second inventor: Scott T. Smith

Second Inventor's Signature

*Scott T. Smith*

Date

*7/26/01*

Residence Address:

13909 Barrymore St., San Diego, CA 92129

Citizenship:

USA

Post Office Address:

13909 Barrymore St., San Diego, CA 92129

Full name of third inventor: Kenneth H. Valentine (deceased)

Third Inventor's Signature: Judith Maxwell, Administrator  
for the Estate of the late Kenneth H. Valentine:\_\_\_\_\_

Residence Address: 4080 Arroyo Sorrento, San Diego, CA 92130

Citizenship: USA

Post Office Address: 4080 Arroyo Sorrento, San Diego, CA 92130

Full name of fourth inventor: Jeffrey M. Adams

Fourth Inventor's Signature [Signature] Date 7/27/01

Residence Address: 1280 Rock Springs Road, San Marcos, CA 92069

Citizenship: USA

Post Office Address: 1280 Rock Springs Road, San Marcos, CA 92069

Full name of fifth inventor: Ryan Shyffer

Fifth Inventor's Signature Shih Date 7/27/01

Residence Address: 8624 Lepus Road, San Diego, CA 92126

Citizenship: USA

Post Office Address: 8624 Lepus Road, San Diego, CA 92126

Station	Time	Lat	Long	Depth	Temp	Wind	Wave	Cloud	Pressure	Humidity	Visibility	Remarks
1001	0000	10° 00' N	100° 00' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1002	0100	10° 05' N	100° 05' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1003	0200	10° 10' N	100° 10' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1004	0300	10° 15' N	100° 15' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1005	0400	10° 20' N	100° 20' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1006	0500	10° 25' N	100° 25' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1007	0600	10° 30' N	100° 30' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1008	0700	10° 35' N	100° 35' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1009	0800	10° 40' N	100° 40' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1010	0900	10° 45' N	100° 45' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1011	1000	10° 50' N	100° 50' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1012	1100	10° 55' N	100° 55' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1013	1200	11° 00' N	101° 00' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1014	1300	11° 05' N	101° 05' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1015	1400	11° 10' N	101° 10' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1016	1500	11° 15' N	101° 15' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1017	1600	11° 20' N	101° 20' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1018	1700	11° 25' N	101° 25' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1019	1800	11° 30' N	101° 30' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1020	1900	11° 35' N	101° 35' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1021	2000	11° 40' N	101° 40' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1022	2100	11° 45' N	101° 45' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1023	2200	11° 50' N	101° 50' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1024	2300	11° 55' N	101° 55' E	1000	28.5	10	2	100	1010.0	85	10	Clear
1025	0000	12° 00' N	102° 00' E	1000	28.5	10	2	100	1010.0	85	10	Clear

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607 14<sup>th</sup> Street, NW  
Washington, D.C. 20005

George T. Marcou  
(202) 508-5800

Full name of first inventor: Victor V. Verbinski

First Inventor's Signature

Date

Residence Address: 8871 Cliffridge Avenue, La Jolla, CA 92121

Citizenship: USA

Post Office Address: 8871 Cliffridge Avenue, La Jolla, CA 92121

Full name of second inventor: Scott J. Smith

Second Inventor's Signature

Date

Residence Address: 5345 Northridge Avenue, San Diego, CA 92117

Citizenship: USA

Post Office Address: 5345 Northridge Avenue, San Diego, CA 92117

Full name of third inventor: Kenneth H. Valentine (deceased)	
Third Inventor's Signature: Judith Maxwell, Administrator for the Estate of the late Kenneth H. Valentine: <i>Judith Maxwell, Administrator</i> 8-3-01	
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Citizenship:	USA
Post Office Address:	P. O. Box 151, Glen Ellen, CA 95442
Full name of fourth inventor: Jeffrey M. Adams	
Fourth Inventor's Signature	Date
Residence Address:	1280 Rock Springs Road, San Marcos, CA 92069
Citizenship:	USA
Post Office Address:	1280 Rock Springs Road, San Marcos, CA 92069
Full name of fifth inventor: Ryan Shyffer	
Fifth Inventor's Signature	Date
Residence Address:	8624 Lepus Road, San Diego, CA 92126
Citizenship:	USA
Post Office Address:	8624 Lepus Road, San Diego, CA 92126